

Year	Week	Percent of Deaths Due to Pneumonia and Influenza (P&I)	Percent of Deaths Due to Pneumonia, Influenza or COVID- 19 (PIC)				All Deaths	Pneumonia Deaths	Influenza Deaths	COVID-19 Deaths	Pneumonia, Influenza or COVID-19 Deaths (PIC)
			Expected	Threshold							
2013	40	6.617956709	6.617956709	6.36132	6.77011	47,492	3,140	3	0	3,143	
2013	41	6.652714358	6.652714358	6.45326	6.86185	47,304	3,135	12	0	3,147	
2013	42	6.779126927	6.779126927	6.55439	6.96279	47,602	3,216	11	0	3,227	
2013	43	6.622544297	6.622544297	6.66322	7.07142	47,746	3,151	11	0	3,162	
2013	44	6.73063124	6.73063124	6.77811	7.18613	48,777	3,271	12	0	3,283	
2013	45	7.041418909	7.041418909	6.89738	7.3052	48,939	3,429	17	0	3,446	
2013	46	6.749782428	6.749782428	7.01924	7.42687	49,409	3,320	15	0	3,335	
2013	47	6.973039463	6.973039463	7.1419	7.54933	49,591	3,430	28	0	3,458	
2013	48	6.934750852	6.934750852	7.26355	7.67079	49,288	3,385	33	0	3,418	
2013	49	7.155789971	7.155789971	7.38238	7.78943	50,812	3,594	42	0	3,636	
2013	50	7.568276501	7.568276501	7.49666	7.90351	51,848	3,856	68	0	3,924	
2013	51	7.657760524	7.657760524	7.60468	8.01135	52,548	3,917	107	0	4,024	
2013	52	7.985910613	7.985910613	7.70487	8.11134	51,954	3,942	207	0	4,149	
2014	1	9.084595604	9.084595604	7.79573	8.20201	53,277	4,490	350	0	4,840	
2014	2	9.791441927	9.791441927	7.87593	8.28201	55,620	4,987	459	0	5,446	
2014	3	10.03664346	10.03664346	7.94428	8.35017	54,580	5,004	474	0	5,478	
2014	4	9.660719238	9.660719238	7.99977	8.40546	54,085	4,783	442	0	5,225	
2014	5	9.281808915	9.281808915	8.04157	8.44707	53,955	4,623	385	0	5,008	
2014	6	8.970541416	8.970541416	8.06905	8.47436	53,397	4,475	315	0	4,790	
2014	7	8.651862864	8.651862864	8.08179	8.48691	53,815	4,385	271	0	4,656	
2014	8	7.974621025	7.974621025	8.07959	8.48451	52,642	3,989	209	0	4,198	
2014	9	7.796957851	7.796957851	8.06246	8.46718	51,674	3,868	161	0	4,029	
2014	10	8.016059011	8.016059011	8.03061	8.43515	52,058	4,048	125	0	4,173	
2014	11	7.79035186	7.79035186	7.98451	8.38885	51,782	3,941	93	0	4,034	
2014	12	7.603386202	7.603386202	7.92477	8.32892	51,385	3,833	74	0	3,907	
2014	13	7.589759723	7.589759723	7.85226	8.25622	50,858	3,795	65	0	3,860	
2014	14	7.61197265	7.61197265	7.768	8.17176	50,749	3,808	55	0	3,863	
2014	15	7.49821895	7.49821895	7.67317	8.07674	50,532	3,717	72	0	3,789	
2014	16	7.298536272	7.298536272	7.56914	7.97251	49,736	3,577	53	0	3,630	
2014	17	7.095905281	7.095905281	7.45737	7.86055	49,747	3,476	54	0	3,530	
2014	18	7.130469853	7.130469853	7.33946	7.74245	49,590	3,483	53	0	3,536	
2014	19	7.056696012	7.056696012	7.21708	7.61988	50,321	3,512	39	0	3,551	
2014	20	6.778494085	6.778494085	7.09198	7.49458	47,931	3,222	27	0	3,249	
2014	21	6.72044117	6.72044117	6.96593	7.36833	48,598	3,242	24	0	3,266	
2014	22	6.550671677	6.550671677	6.84072	7.24293	48,163	3,140	15	0	3,155	
2014	23	6.781151833	6.781151833	6.71812	7.12014	47,750	3,218	20	0	3,238	
2014	24	6.767263963	6.767263963	6.59988	7.00171	47,715	3,214	15	0	3,229	
2014	25	6.472444258	6.472444258	6.48767	6.88931	47,540	3,070	7	0	3,077	
2014	26	6.320103082	6.320103082	6.38307	6.78451	47,341	2,989	3	0	2,992	
2014	27	6.33996613	6.33996613	6.28754	6.68879	47,240	2,989	6	0	2,995	
2014	28	6.313964307	6.313964307	6.20243	6.60349	47,292	2,982	4	0	2,986	
2014	29	6.255042677	6.255042677	6.12893	6.52979	47,098	2,939	7	0	2,946	
2014	30	6.336742923	6.336742923	6.06804	6.46871	47,122	2,983	3	0	2,986	
2014	31	6.229759673	6.229759673	6.02061	6.42108	46,936	2,919	5	0	2,924	
2014	32	6.029647009	6.029647009	5.98727	6.38755	46,885	2,826	1	0	2,827	
2014	33	6.150580972	6.150580972	5.96845	6.36854	46,646	2,864	5	0	2,869	
2014	34	6.161137441	6.161137441	5.96439	6.36428	46,631	2,867	6	0	2,873	
2014	35	6.07203673	6.07203673	5.97507	6.37477	46,393	2,812	5	0	2,817	
2014	36	6.261630858	6.261630858	6.00031	6.39981	47,288	2,960	1	0	2,961	
2014	37	6.147733584	6.147733584	6.03967	6.43899	46,814	2,874	4	0	2,878	
2014	38	6.236442516	6.236442516	6.09255	6.49168	47,944	2,984	6	0	2,990	
2014	39	6.24419061	6.24419061	6.15813	6.55706	48,413	3,017	6	0	3,023	
2014	40	6.371099485	6.371099485	6.23694	6.65537	48,359	3,075	6	0	3,081	
2014	41	6.382849385	6.382849385	6.33393	6.75197	49,351	3,142	8	0	3,150	

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			Expected	Threshold	Pneumonia	Influenza					
2014	42	6.291646351	6.291646351	6.44181	6.85947	49,224	3,084	13	0	3,097	
2014	43	6.549221108	6.549221108	6.55892	6.97621	49,044	3,201	11	0	3,212	
2014	44	6.474349807	6.474349807	6.68349	7.10039	48,947	3,152	17	0	3,169	
2014	45	6.305934998	6.305934998	6.81363	7.23015	50,952	3,202	11	0	3,213	
2014	46	6.455392069	6.455392069	6.94736	7.3635	50,361	3,233	18	0	3,251	
2014	47	6.499075645	6.499075645	7.08268	7.49843	52,469	3,379	31	0	3,410	
2014	48	6.680576485	6.680576485	7.21754	7.63292	51,762	3,412	46	0	3,458	
2014	49	7.021070799	7.021070799	7.34994	7.76494	52,727	3,619	83	0	3,702	
2014	50	7.383202002	7.383202002	7.47788	7.8925	53,554	3,785	169	0	3,954	
2014	51	8.07366995	8.07366995	7.59945	8.01368	54,622	4,098	312	0	4,410	
2014	52	8.524309274	8.524309274	7.71283	8.12668	56,028	4,264	512	0	4,776	
2014	53	10.19176974	10.19176974	7.81631	8.22978	59,342	5,034	1,014	0	6,048	
2015	1	10.81199281	10.81199281	7.90836	8.32144	61,737	5,576	1,099	0	6,675	
2015	2	10.74565349	10.74565349	7.98757	8.40028	61,141	5,589	981	0	6,570	
2015	3	10.05151122	10.05151122	8.05277	8.4651	58,628	5,183	710	0	5,893	
2015	4	9.500777035	9.500777035	8.10296	8.5149	57,269	4,856	585	0	5,441	
2015	5	9.103763704	9.103763704	8.13736	8.54892	57,284	4,733	482	0	5,215	
2015	6	8.816022687	8.816022687	8.15544	8.56662	56,420	4,569	405	0	4,974	
2015	7	8.447504792	8.447504792	8.15689	8.56769	56,348	4,478	282	0	4,760	
2015	8	8.477042466	8.477042466	8.14164	8.55206	55,668	4,498	221	0	4,719	
2015	9	8.402712984	8.402712984	8.10989	8.51993	55,732	4,494	189	0	4,683	
2015	10	8.275437835	8.275437835	8.06204	8.4717	55,272	4,418	156	0	4,574	
2015	11	7.957686779	7.957686779	7.99875	8.40802	54,262	4,179	139	0	4,318	
2015	12	7.528457117	7.528457117	7.92088	8.32977	53,238	3,887	121	0	4,008	
2015	13	7.402516554	7.402516554	7.82952	8.23803	53,009	3,825	99	0	3,924	
2015	14	7.452178534	7.452178534	7.72594	8.13407	52,696	3,827	100	0	3,927	
2015	15	7.559987889	7.559987889	7.61159	8.01934	52,844	3,920	75	0	3,995	
2015	16	7.494962021	7.494962021	7.48808	7.89545	51,608	3,805	63	0	3,868	
2015	17	7.193098356	7.193098356	7.35712	7.76411	51,466	3,652	50	0	3,702	
2015	18	6.926189047	6.926189047	7.22057	7.62718	51,659	3,550	28	0	3,578	
2015	19	6.899273761	6.899273761	7.08034	7.48656	50,672	3,474	22	0	3,496	
2015	20	6.586656395	6.586656395	6.93838	7.34422	49,327	3,235	14	0	3,249	
2015	21	6.802365341	6.802365341	6.79668	7.20214	49,718	3,364	18	0	3,382	
2015	22	6.523113313	6.523113313	6.65722	7.0623	49,041	3,189	10	0	3,199	
2015	23	6.476251734	6.476251734	6.52194	6.92664	49,751	3,211	11	0	3,222	
2015	24	6.426520597	6.426520597	6.39271	6.79703	49,109	3,150	6	0	3,156	
2015	25	6.525062682	6.525062682	6.27133	6.67527	49,057	3,197	4	0	3,201	
2015	26	6.333048885	6.333048885	6.15946	6.56301	49,218	3,111	6	0	3,117	
2015	27	6.312733814	6.312733814	6.05862	6.4618	48,917	3,081	7	0	3,088	
2015	28	6.169378593	6.169378593	5.97019	6.37298	49,227	3,030	7	0	3,037	
2015	29	6.191810167	6.191810167	5.89534	6.29775	48,548	3,003	3	0	3,006	
2015	30	6.001077542	6.001077542	5.83506	6.23709	48,258	2,892	4	0	2,896	
2015	31	6.125869438	6.125869438	5.79012	6.19177	47,732	2,920	4	0	2,924	
2015	32	5.923671759	5.923671759	5.76107	6.16234	47,977	2,834	8	0	2,842	
2015	33	6.07167926	6.07167926	5.74822	6.14911	48,438	2,935	6	0	2,941	
2015	34	5.996370835	5.996370835	5.75166	6.15217	48,496	2,903	5	0	2,908	
2015	35	6.036163619	6.036163619	5.77123	6.17135	48,723	2,938	3	0	2,941	
2015	36	6.047742094	6.047742094	5.80655	6.20629	48,762	2,946	3	0	2,949	
2015	37	6.154696359	6.154696359	5.85699	6.25636	48,857	3,001	6	0	3,007	
2015	38	6.205817827	6.205817827	5.92174	6.32072	49,228	3,047	8	0	3,055	
2015	39	6.275996312	6.275996312	5.99975	6.39835	48,805	3,057	6	0	3,063	
2015	40	6.302257115	6.302257115	6.12802	6.4876	50,950	3,197	14	0	3,211	
2015	41	6.297411198	6.297411198	6.22088	6.58011	49,830	3,131	7	0	3,138	
2015	42	6.37495806	6.37495806	6.32235	6.68123	50,667	3,214	16	0	3,230	

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			Expected	Threshold	Pneumonia	Influenza					
2015	43	6.311527469	6.311527469	6.43086	6.78939	50,384	3,163	17	0	3,180	
2015	44	6.593299191	6.593299191	6.54475	6.90294	51,158	3,353	20	0	3,373	
2015	45	6.392594932	6.392594932	6.66229	7.02013	50,668	3,225	14	0	3,239	
2015	46	6.517212525	6.517212525	6.78167	7.13917	51,387	3,336	13	0	3,349	
2015	47	6.520040628	6.520040628	6.90111	7.25826	51,196	3,324	14	0	3,338	
2015	48	6.6908993	6.6908993	7.01877	7.37558	51,996	3,457	22	0	3,479	
2015	49	6.624841288	6.624841288	7.13289	7.48936	53,556	3,528	20	0	3,548	
2015	50	6.708846109	6.708846109	7.24174	7.59787	51,842	3,452	26	0	3,478	
2015	51	6.681071246	6.681071246	7.34369	7.69947	52,761	3,510	15	0	3,525	
2015	52	7.521432654	7.521432654	7.43717	7.79262	52,490	3,917	31	0	3,948	
2016	1	7.659353266	7.659353266	7.5208	7.8759	55788	4241	32	0	4,273	
2016	2	7.758667267	7.758667267	7.59328	7.94805	55525	4278	30	0	4,308	
2016	3	7.391903157	7.391903157	7.65352	8.00796	55182	4043	36	0	4,079	
2016	4	7.481207064	7.481207064	7.7006	8.05469	55606	4110	50	0	4,160	
2016	5	7.514208686	7.514208686	7.73377	8.08753	54896	4064	61	0	4,125	
2016	6	7.30954887	7.30954887	7.75251	8.10594	55106	3935	93	0	4,028	
2016	7	7.45540916	7.45540916	7.75649	8.10959	55785	4011	148	0	4,159	
2016	8	7.989357243	7.989357243	7.74561	8.09838	54873	4197	187	0	4,384	
2016	9	8.053691275	8.053691275	7.71998	8.07242	55875	4243	257	0	4,500	
2016	10	8.146207585	8.146207585	7.67992	8.03204	56112	4277	294	0	4,571	
2016	11	8.251624986	8.251624986	7.62596	7.97775	54462	4143	351	0	4,494	
2016	12	8.179356774	8.179356774	7.55883	7.9103	54662	4176	295	0	4,471	
2016	13	7.748700817	7.748700817	7.47946	7.83059	53880	3893	282	0	4,175	
2016	14	7.759035253	7.759035253	7.38892	7.73974	54066	3945	250	0	4,195	
2016	15	7.640680501	7.640680501	7.28849	7.63899	53490	3891	196	0	4,087	
2016	16	7.209919284	7.209919284	7.17956	7.52974	53149	3684	148	0	3,832	
2016	17	6.908107473	6.908107473	7.06364	7.41351	51027	3398	127	0	3,525	
2016	18	6.814901502	6.814901502	6.94236	7.29191	51270	3403	91	0	3,494	
2016	19	6.498039216	6.498039216	6.81739	7.16663	51000	3240	74	0	3,314	
2016	20	6.586221245	6.586221245	6.69049	7.03942	50469	3290	34	0	3,324	
2016	21	6.395325807	6.395325807	6.56342	6.91204	50490	3199	30	0	3,229	
2016	22	6.119369958	6.119369958	6.43794	6.78626	49711	3025	17	0	3,042	
2016	23	6.394615061	6.394615061	6.3158	6.66382	49917	3175	17	0	3,192	
2016	24	5.886595873	5.886595873	6.19869	6.5464	49910	2920	18	0	2,938	
2016	25	5.81988191	5.81988191	6.08822	6.43564	49623	2876	12	0	2,888	
2016	26	5.877859526	5.877859526	5.98591	6.33303	49746	2914	10	0	2,924	
2016	27	5.883536561	5.883536561	5.89316	6.23998	49698	2914	10	0	2,924	
2016	28	5.906883978	5.906883978	5.81122	6.15775	49637	2926	6	0	2,932	
2016	29	5.625570776	5.625570776	5.74119	6.08743	49275	2767	5	0	2,772	
2016	30	5.652138919	5.652138919	5.684	6.02996	49698	2804	5	0	2,809	
2016	31	5.752954247	5.752954247	5.6404	5.98607	49505	2846	2	0	2,848	
2016	32	5.687575392	5.687575392	5.61091	5.9563	49740	2827	2	0	2,829	
2016	33	5.76602622	5.76602622	5.59589	5.941	49809	2867	5	0	2,872	
2016	34	5.722191925	5.722191925	5.59546	5.94029	49509	2827	6	0	2,833	
2016	35	5.797159916	5.797159916	5.60953	5.9541	49576	2869	5	0	2,874	
2016	36	5.763354968	5.763354968	5.63783	5.98213	50075	2881	5	0	2,886	
2016	37	6.212561354	6.212561354	5.67986	6.02388	49915	3093	8	0	3,101	
2016	38	6.067046275	6.067046275	5.73492	6.07868	49876	3017	9	0	3,026	
2016	39	5.963704382	5.963704382	5.80214	6.14563	50254	2986	11	0	2,997	
2016	40	5.918287938	5.918287938	5.88046	6.22369	51400	3024	18	0	3,042	
2016	41	6.146880516	6.146880516	5.96867	6.31164	52124	3193	11	0	3,204	
2016	42	6.192161132	6.192161132	6.06543	6.40815	51436	3178	7	0	3,185	
2016	43	6.067792689	6.067792689	6.16926	6.51172	51864	3130	17	0	3,147	
2016	44	6.022303396	6.022303396	6.2786	6.6208	51741	3100	16	0	3,116	

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			Expected	Threshold							
2016	45	6.141954154	6.141954154	6.39178	6.73373	52524	3207	19	0	3,226	
2016	46	5.98592867	5.98592867	6.50712	6.84882	53442	3192	7	0	3,199	
2016	47	6.168122271	6.168122271	6.62288	6.96434	53128	3255	22	0	3,277	
2016	48	6.503229595	6.503229595	6.73733	7.07854	54496	3510	34	0	3,544	
2016	49	6.61854062	6.61854062	6.84877	7.18973	55133	3616	33	0	3,649	
2016	50	6.831377173	6.831377173	6.95551	7.29623	55977	3778	46	0	3,824	
2016	51	6.753562862	6.753562862	7.05598	7.39646	56696	3737	92	0	3,829	
2016	52	7.39763595	7.39763595	7.14867	7.4889	57613	4105	157	0	4,262	
2017	1	8.110369292	8.110369292	7.2322	7.57219	59763	4558	289	0	4,847	
2017	2	7.991144638	7.991144638	7.30531	7.64505	60980	4505	368	0	4,873	
2017	3	8.422579394	8.422579394	7.3669	7.70641	59293	4621	373	0	4,994	
2017	4	8.258824746	8.258824746	7.41605	7.75531	58047	4427	367	0	4,794	
2017	5	8.219951738	8.219951738	7.452	7.79103	58431	4452	351	0	4,803	
2017	6	8.242288734	8.242288734	7.4742	7.81299	59037	4447	419	0	4,866	
2017	7	8.488662403	8.488662403	7.48228	7.82084	58478	4419	545	0	4,964	
2017	8	8.533635288	8.533635288	7.47611	7.81443	58287	4369	605	0	4,974	
2017	9	8.372921615	8.372921615	7.45573	7.79381	57256	4260	534	0	4,794	
2017	10	8.168626905	8.168626905	7.4214	7.75924	57476	4223	472	0	4,695	
2017	11	7.900310647	7.900310647	7.37358	7.71118	56656	4100	376	0	4,476	
2017	12	7.73073889	7.73073889	7.31293	7.6503	57045	4091	319	0	4,410	
2017	13	7.576165599	7.576165599	7.24029	7.57742	55701	3887	333	0	4,220	
2017	14	7.409354605	7.409354605	7.15667	7.49357	55160	3821	266	0	4,087	
2017	15	7.261989391	7.261989391	7.06325	7.3999	54861	3776	208	0	3,984	
2017	16	6.87959299	6.87959299	6.96133	7.29775	53070	3489	162	0	3,651	
2017	17	6.657284924	6.657284924	6.85235	7.18852	53295	3458	90	0	3,548	
2017	18	6.401929505	6.401929505	6.73783	7.07377	52656	3308	63	0	3,371	
2017	19	6.282581514	6.282581514	6.6194	6.95509	51985	3216	50	0	3,266	
2017	20	6.200457317	6.200457317	6.49871	6.83416	52480	3201	53	0	3,254	
2017	21	6.111438101	6.111438101	6.37745	6.71267	50970	3091	24	0	3,115	
2017	22	5.934914937	5.934914937	6.25734	6.59231	51256	3019	23	0	3,042	
2017	23	6.114590221	6.114590221	6.14004	6.47477	51418	3127	17	0	3,144	
2017	24	6.079099159	6.079099159	6.02721	6.36169	50797	3069	19	0	3,088	
2017	25	5.85431602	5.85431602	5.9204	6.25463	51193	2982	15	0	2,997	
2017	26	5.855740166	5.855740166	5.8211	6.15508	50617	2954	10	0	2,964	
2017	27	5.57714196	5.57714196	5.73068	6.06441	50958	2824	18	0	2,842	
2017	28	6.105419035	6.105419035	5.65037	5.98386	49972	3047	4	0	3,051	
2017	29	5.516209476	5.516209476	5.58127	5.9145	50125	2755	10	0	2,765	
2017	30	5.785944369	5.785944369	5.5243	5.85728	49361	2853	3	0	2,856	
2017	31	5.388623795	5.388623795	5.48021	5.81293	50087	2695	4	0	2,699	
2017	32	5.430584863	5.430584863	5.44955	5.78202	50234	2722	6	0	2,728	
2017	33	5.380093654	5.380093654	5.43269	5.7649	50185	2689	11	0	2,700	
2017	34	5.580014541	5.580014541	5.4298	5.76174	49516	2756	7	0	2,763	
2017	35	5.356967205	5.356967205	5.44082	5.7725	50831	2716	7	0	2,723	
2017	36	5.565145749	5.565145749	5.46552	5.79693	50978	2825	12	0	2,837	
2017	37	5.857659644	5.857659644	5.50346	5.8346	51693	3021	7	0	3,028	
2017	38	5.760409143	5.760409143	5.55401	5.88488	51229	2935	16	0	2,951	
2017	39	5.662141369	5.662141369	5.61635	5.94695	51341	2888	19	0	2,907	
2017	40	5.830310707	5.830310707	5.68949	6.01982	52107	3022	16	0	3,038	
2017	41	5.853497751	5.853497751	5.77231	6.10236	51576	3001	18	0	3,019	
2017	42	6.097047222	6.097047222	5.86352	6.19329	52222	3156	28	0	3,184	
2017	43	6.284496213	6.284496213	5.96172	6.29122	52542	3279	23	0	3,302	
2017	44	6.05772635	6.05772635	6.06541	6.39463	53667	3215	36	0	3,251	
2017	45	6.057475582	6.057475582	6.17303	6.50197	53240	3180	45	0	3,225	
2017	46	6.258485688	6.258485688	6.28293	6.6116	53767	3315	50	0	3,365	

Year	Week	Percent of Deaths Due to Pneumonia and Influenza (P&I)	Percent of Deaths Due to Pneumonia, Influenza or COVID- 19 (PIC)				All Deaths	Pneumonia Deaths	Influenza Deaths	COVID-19 Deaths	Pneumonia, Influenza or COVID-19 Deaths (PIC)
			Expected	Threshold							
2017	47	6.005173688	6.005173688	6.39347	6.72186	54120	3202	48	0	3,250	
2017	48	6.530433353	6.530433353	6.50298	6.83108	54759	3493	83	0	3,576	
2017	49	6.558143718	6.558143718	6.6098	6.93762	55595	3528	118	0	3,646	
2017	50	6.839811748	6.839811748	6.71234	7.03987	57370	3759	165	0	3,924	
2017	51	7.303587934	7.303587934	6.80904	7.1363	59505	3987	359	0	4,346	
2017	52	8.330332297	8.330332297	6.89846	7.22543	61090	4418	671	0	5,089	
2018	1	9.55786736	9.55786736	6.97925	7.30594	66134	5156	1165	0	6,321	
2018	2	10.54744796	10.54744796	7.05019	7.37659	67495	5583	1536	0	7,119	
2018	3	10.88681609	10.88681609	7.1102	7.43632	64647	5412	1626	0	7,038	
2018	4	10.56865244	10.56865244	7.15837	7.4842	62780	5187	1448	0	6,635	
2018	5	10.22895004	10.22895004	7.19396	7.51951	60974	4877	1360	0	6,237	
2018	6	9.707085583	9.707085583	7.21641	7.54167	61110	4689	1243	0	5,932	
2018	7	9.665601633	9.665601633	7.22535	7.55033	59779	4599	1179	0	5,778	
2018	8	9.201806447	9.201806447	7.22062	7.54531	57793	4426	892	0	5,318	
2018	9	8.435052565	8.435052565	7.20223	7.52665	56692	4044	738	0	4,782	
2018	10	8.000980856	8.000980856	7.17042	7.49456	57093	4061	507	0	4,568	
2018	11	7.62880375	7.62880375	7.12561	7.44946	56326	3853	444	0	4,297	
2018	12	7.420291934	7.420291934	7.0684	7.39197	55766	3793	345	0	4,138	
2018	13	7.398302924	7.398302924	6.99957	7.32286	54918	3779	284	0	4,063	
2018	14	7.230440916	7.230440916	6.92008	7.24309	55294	3698	300	0	3,998	
2018	15	6.887810531	6.887810531	6.83103	7.15377	55228	3590	214	0	3,804	
2018	16	6.628668715	6.628668715	6.73367	7.05613	54038	3429	153	0	3,582	
2018	17	6.538611871	6.538611871	6.62935	6.95153	53727	3394	119	0	3,513	
2018	18	6.148006178	6.148006178	6.51953	6.84144	53741	3198	106	0	3,304	
2018	19	5.920736973	5.920736973	6.40575	6.72739	52105	3032	53	0	3,085	
2018	20	5.922794263	5.922794263	6.28959	6.61096	50618	2955	43	0	2,998	
2018	21	5.845392605	5.845392605	6.17268	6.49378	50929	2951	26	0	2,977	
2018	22	5.74199236	5.74199236	6.05665	6.37748	51045	2905	26	0	2,931	
2018	23	5.619122709	5.619122709	5.94311	6.26368	52001	2908	14	0	2,922	
2018	24	5.738805535	5.738805535	5.83364	6.15394	51387	2935	14	0	2,949	
2018	25	5.626518298	5.626518298	5.72976	6.0498	51044	2865	7	0	2,872	
2018	26	5.65726084	5.65726084	5.63289	5.95268	50855	2868	9	0	2,877	
2018	27	5.376905812	5.376905812	5.54438	5.86391	51684	2769	10	0	2,779	
2018	28	5.442362915	5.442362915	5.46542	5.7847	51191	2781	5	0	2,786	
2018	29	5.362682527	5.362682527	5.3971	5.71612	50609	2706	8	0	2,714	
2018	30	5.394438477	5.394438477	5.34031	5.65908	50274	2700	12	0	2,712	
2018	31	5.262950017	5.262950017	5.2958	5.61434	50637	2661	4	0	2,665	
2018	32	5.266152609	5.266152609	5.26416	5.58245	50967	2674	10	0	2,684	
2018	33	5.212620027	5.212620027	5.24575	5.5638	50301	2617	5	0	2,622	
2018	34	5.396460493	5.396460493	5.24078	5.55859	50459	2713	10	0	2,723	
2018	35	5.208353915	5.208353915	5.24923	5.56681	50611	2630	6	0	2,636	
2018	36	5.477246069	5.477246069	5.27091	5.58826	50299	2749	6	0	2,755	
2018	37	5.42059002	5.42059002	5.30544	5.62256	51083	2761	8	0	2,769	
2018	38	5.48824225	5.48824225	5.35224	5.66914	51583	2820	11	0	2,831	
2018	39	5.54955945	5.54955945	5.41058	5.72724	50959	2814	14	0	2,828	
2018	40	5.689783601	5.689783601	5.47953	5.79597	52357	2969	10	0	2,979	
2018	41	5.550733862	5.550733862	5.55803	5.87426	51849	2866	12	0	2,878	
2018	42	5.673946281	5.673946281	5.6449	5.96091	52979	2988	18	0	3,006	
2018	43	5.745587114	5.745587114	5.73881	6.05461	53763	3065	24	0	3,089	
2018	44	5.645251501	5.645251501	5.83834	6.15393	53638	3003	25	0	3,028	
2018	45	5.698175912	5.698175912	5.94201	6.25739	53561	3022	30	0	3,052	
2018	46	5.79363048	5.79363048	6.04826	6.36343	54698	3143	26	0	3,169	
2018	47	5.850821376	5.850821376	6.1555	6.47047	54847	3178	31	0	3,209	
2018	48	6.038866691	6.038866691	6.26214	6.57691	55060	3287	38	0	3,325	

Year	Week	Percent of Deaths Due to Pneumonia and Influenza (P&I)	Percent of Deaths Due to Pneumonia, Influenza or COVID- 19 (PIC)				All Deaths	Pneumonia Deaths	Influenza Deaths	COVID-19 Deaths	Pneumonia, Influenza or COVID-19 Deaths (PIC)
			Expected	Threshold							
2018	49	6.173280683	6.173280683	6.36659	6.68117	55967	3399	56	0	3,455	
2018	50	6.389770692	6.389770692	6.46731	6.78168	56387	3552	51	0	3,603	
2018	51	6.329606567	6.329606567	6.56278	6.87696	56528	3490	88	0	3,578	
2018	52	6.741512869	6.741512869	6.6516	6.96559	56026	3636	141	0	3,777	
2019	1	7.08416954	7.08416954	6.73245	7.04624	58299	3919	211	0	4,130	
2019	2	7.391796032	7.391796032	6.80412	7.11773	58362	4055	259	0	4,314	
2019	3	7.46307111	7.46307111	6.86555	7.17896	58220	4099	246	0	4,345	
2019	4	7.209711957	7.209711957	6.91581	7.22904	57908	3899	276	0	4,175	
2019	5	7.255124501	7.255124501	6.95416	7.26721	58152	3892	327	0	4,219	
2019	6	7.274063189	7.274063189	6.98001	7.29287	58523	3891	366	0	4,257	
2019	7	7.55	7.55	6.99296	7.30564	58000	3896	483	0	4,379	
2019	8	7.692440307	7.692440307	6.99279	7.3053	58005	3988	474	0	4,462	
2019	9	7.372524667	7.372524667	6.9795	7.29182	57972	3758	516	0	4,274	
2019	10	7.337819834	7.337819834	6.95323	7.26538	58546	3753	543	0	4,296	
2019	11	7.750746758	7.750746758	6.91436	7.22633	57917	3978	511	0	4,489	
2019	12	7.492775199	7.492775199	6.86341	7.17521	57095	3798	480	0	4,278	
2019	13	7.363034848	7.363034848	6.8011	7.11273	56675	3714	459	0	4,173	
2019	14	7.021449521	7.021449521	6.7283	7.03976	56598	3635	339	0	3,974	
2019	15	6.76493909	6.76493909	6.64605	6.95733	55492	3451	303	0	3,754	
2019	16	6.638760373	6.638760373	6.5555	6.86661	54468	3414	202	0	3,616	
2019	17	6.392574922	6.392574922	6.45793	6.76887	53656	3274	156	0	3,430	
2019	18	6.151480912	6.151480912	6.35473	6.6655	53987	3224	97	0	3,321	
2019	19	6.167021953	6.167021953	6.24736	6.55797	53478	3230	68	0	3,298	
2019	20	5.985665758	5.985665758	6.13734	6.44778	53578	3157	50	0	3,207	
2019	21	5.922339138	5.922339138	6.02623	6.3365	53695	3150	30	0	3,180	
2019	22	5.970375709	5.970375709	5.9156	6.22571	52727	3119	29	0	3,148	
2019	23	5.773320035	5.773320035	5.80702	6.11697	53141	3047	21	0	3,068	
2019	24	5.60536413	5.60536413	5.70202	6.0118	52646	2935	16	0	2,951	
2019	25	5.674016561	5.674016561	5.60207	5.9117	52291	2954	13	0	2,967	
2019	26	5.583328545	5.583328545	5.5086	5.81806	52209	2900	15	0	2,915	
2019	27	5.494421519	5.494421519	5.4229	5.7322	52344	2863	13	0	2,876	
2019	28	5.357108471	5.357108471	5.34617	5.65531	51931	2771	11	0	2,782	
2019	29	5.200487909	5.200487909	5.27949	5.58846	51649	2681	5	0	2,686	
2019	30	5.363710271	5.363710271	5.22376	5.53258	51662	2763	8	0	2,771	
2019	31	5.335537833	5.335537833	5.17976	5.48841	51410	2737	6	0	2,743	
2019	32	5.128799737	5.128799737	5.14806	5.45655	51747	2647	7	0	2,654	
2019	33	5.123179743	5.123179743	5.12908	5.43741	51023	2606	8	0	2,614	
2019	34	5.109560582	5.109560582	5.12305	5.43122	51022	2601	6	0	2,607	
2019	35	5.142488566	5.142488566	5.13001	5.43802	51162	2618	13	0	2,631	
2019	36	5.010031638	5.010031638	5.14981	5.45766	51836	2585	12	0	2,597	
2019	37	4.901903821	4.901903821	5.18212	5.4898	51633	2515	16	0	2,531	
2019	38	5.264988311	5.264988311	5.22641	5.53394	51757	2711	14	0	2,725	
2019	39	5.30166613	5.30166613	5.28201	5.58937	52757	2781	16	0	2,797	
2019	40	5.199375999	5.199375999	5.34806	5.65526	52564	2716	17	0	2,733	
2019	41	5.274062912	5.274062912	5.42356	5.73061	53090	2784	16	0	2,800	
2019	42	5.541241857	5.541241857	5.50738	5.81426	54338	2993	18	0	3,011	
2019	43	5.600473644	5.600473644	5.59825	5.90498	54049	2997	30	0	3,027	
2019	44	5.470815538	5.470815538	5.69483	6.00139	54087	2928	31	0	2,959	
2019	45	5.59256001	5.59256001	5.79567	6.10207	55699	3084	31	0	3,115	
2019	46	5.63110618	5.63110618	5.89928	6.20552	55886	3108	39	0	3,147	
2019	47	5.455613089	5.455613089	6.00412	6.31019	56199	3016	50	0	3,066	
2019	48	5.526007392	5.526007392	6.10863	6.41454	55465	2999	66	0	3,065	
2019	49	5.982234787	5.982234787	6.21127	6.51702	57303	3328	100	0	3,428	
2019	50	6.238509834	6.238509834	6.31052	6.61612	57658	3486	111	0	3,597	

Year	Week	Percent of Deaths Due to Pneumonia and Influenza (P&I)	Percent of Deaths Due to Pneumonia, Influenza or COVID- 19 (PIC)				All Deaths	Pneumonia Deaths	Influenza Deaths	COVID-19 Deaths	Pneumonia, Influenza or COVID-19 Deaths (PIC)
			Expected	Threshold							
2019	51	6.128099749	6.128099749	6.40492	6.71035	57424	3390	129	0	3,519	
2019	52	6.399466284	6.399466284	6.49306	6.79834	58458	3538	203	0	3,741	
2020	1	7.536574799	7.536574799	6.57365	6.87877	60014	4092	431	0	4,523	
2020	2	7.602735201	7.602735201	6.6455	6.95045	60544	4132	471	0	4,603	
2020	3	7.63044066	7.63044066	6.70753	7.01232	59184	4052	464	0	4,516	
2020	4	7.452742223	7.452742223	6.75882	7.06345	58985	3901	495	0	4,396	
2020	5	7.298983837	7.298983837	6.79862	7.10309	58652	3802	479	0	4,281	
2020	6	7.294129568	7.295818415	6.82632	7.13063	59212	3799	520	1	4,320	
2020	7	7.479838366	7.479838366	6.8415	7.14565	58651	3827	560	0	4,387	
2020	8	7.262969589	7.269784479	6.84392	7.14791	58695	3697	566	5	4,267	
2020	9	7.573502047	7.58196028	6.83352	7.13735	59114	3823	654	10	4,482	
2020	10	7.727356793	7.755939271	6.81405	7.11787	59477	3964	632	35	4,613	
2020	11	7.841258981	7.887444406	6.78217	7.08599	58460	3961	623	56	4,611	
2020	12	8.618440005	9.150526155	6.73835	7.04218	59013	4529	557	571	5,400	
2020	13	10.50736758	13.17562724	6.68325	6.98708	62775	6154	442	3152	8,271	
2020	14	14.4007106	21.38039194	6.61767	6.9215	72052	9899	477	10012	15,405	
2020	15	15.78606776	26.70727065	6.54258	6.8464	78810	11969	472	16155	21,048	
2020	16	15.21071545	27.72950016	6.45906	6.76289	76525	11376	264	17067	21,220	
2020	17	14.25447532	26.11577432	6.36835	6.67218	73626	10351	144	15422	19,228	
2020	18	13.00835372	24.03324116	6.27177	6.5756	69071	8920	65	13136	16,600	
2020	19	11.80294886	21.48884418	6.17073	6.47455	66602	7813	48	11160	14,312	
2020	20	10.53532258	18.92064282	6.0667	6.37053	64279	6751	21	9165	12,162	
2020	21	9.602384714	16.46169634	5.9612	6.26503	61391	5871	24	7174	10,106	
2020	22	8.853115328	14.96938501	5.85578	6.1596	59448	5251	12	6109	8,899	
2020	23	8.318131447	13.1941011	5.75196	6.05579	58655	4868	11	4993	7,739	
2020	24	7.826914756	11.88230203	5.65127	5.9551	57775	4511	11	4198	6,865	
2020	25	7.542364071	11.3663929	5.55518	5.859	57714	4345	8	3806	6,560	
2020	26	7.305339839	11.14528211	5.46508	5.7689	58204	4241	11	3781	6,487	
2020	27	7.608403361	11.79495798	5.38229	5.68612	59500	4524	3	4472	7,018	
2020	28	8.949327784	13.84910507	5.30803	5.61186	61513	5495	10	5711	8,519	
2020	29	9.802264392	15.63227555	5.24339	5.54721	62710	6135	12	7075	9,803	
2020	30	10.50495236	17.04801906	5.1893	5.49312	63808	6693	10	8103	10,878	
2020	31	10.63756336	17.16227031	5.14656	5.45039	63727	6766	13	8184	10,937	
2020	32	10.67861107	16.71634692	5.11581	5.41964	63070	6726	9	7743	10,543	
2020	33	10.23015051	15.76650474	5.0975	5.40133	62785	6418	5	7104	9,899	
2020	34	9.54841865	14.53863711	5.09191	5.39574	61340	5845	12	6208	8,918	
2020	35	9.074811117	13.6501619	5.09913	5.40296	59296	5370	11	5510	8,094	
2020	36	8.604213109	12.63932811	5.11907	5.4229	57867	4970	9	4712	7,314	
2020	37	8.272518949	12.04124802	5.15145	5.45527	56730	4686	7	4294	6,831	
2020	38	7.835714794	11.41323665	5.19581	5.49963	56268	4404	5	3882	6,422	
2020	39	8.032953907	11.49170883	5.25152	5.55535	56928	4570	3	3883	6,542	
2020	40	7.816687188	11.32215543	5.31779	5.62162	55228	4310	7	3702	6,253	
2020	41	8.182257458	11.97451545	5.39367	5.69749	55877	4561	11	4169	6,691	
2020	42	8.41149888	12.62864087	5.47807	5.78189	52666	4416	14	4261	6,651	
2020	43	8.623535729	13.37881108	5.56977	5.8736	50281	4322	14	4397	6,727	
2020	44	8.022140221	12.3198032	5.66748	5.9713	40650	3253	8	3215	5,008	
2020	45	6.59050037	8.90722522	5.76977	6.07359	18906	1238	8	832	1,684	